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#2



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ENTER

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/090,011

DATE: 03/19/2002

TIME: 16:36:08

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\03192002\J090011.raw

```

4 <110> APPLICANT: Serup, Palle
5      Heimberg, Harry
6      Gradwohl Gerard
8 <120> TITLE OF INVENTION: Methods For Generating Insulin-Secreting
9      Cells Suitable for Transplantation
12 <130> FILE REFERENCE: 6246.200-US
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/090,011
15 <141> CURRENT FILING DATE: 2002-02-26
17 <150> PRIOR APPLICATION NUMBER: US 60/271,474
18 <151> PRIOR FILING DATE: 2001-02-26
20 <160> NUMBER OF SEQ ID NOS: 70
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 21
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo Sapien
29 <400> SEQUENCE: 1
30 tggcgccctca tcccttggat g                               21
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 21
34 <212> TYPE: DNA
35 <213> ORGANISM: Homo Sapien
37 <400> SEQUENCE: 2
38 cagtcaccca cttctgcttc g                               21
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 22
42 <212> TYPE: DNA
43 <213> ORGANISM: Homo Sapien
45 <400> SEQUENCE: 3
46 tcaacacgac accggacaaa cc                               22
48 <210> SEQ ID NO: 4
49 <211> LENGTH: 21
50 <212> TYPE: DNA
51 <213> ORGANISM: Homo Sapien
53 <400> SEQUENCE: 4
54 ggtacttccc caacacgctc g                               21
56 <210> SEQ ID NO: 5
57 <211> LENGTH: 22
58 <212> TYPE: DNA
59 <213> ORGANISM: Homo Sapien
61 <400> SEQUENCE: 5
62 aaggtcatca tctgccatcg ag                               22
64 <210> SEQ ID NO: 6

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65 <211> LENGTH: 21
66 <212> TYPE: DNA
67 <213> ORGANISM: Homo Sapien
69 <400> SEQUENCE: 6
70 agccggcctg tgagagcttt c 21
72 <210> SEQ ID NO: 7
73 <211> LENGTH: 21
74 <212> TYPE: DNA
75 <213> ORGANISM: Homo Sapien
77 <400> SEQUENCE: 7
78 gtcgaataca tccgcgcgct g 21
80 <210> SEQ ID NO: 8
81 <211> LENGTH: 21
82 <212> TYPE: DNA
83 <213> ORGANISM: Homo Sapien
85 <400> SEQUENCE: 8
86 agaaccagtt ggtaaagtcc a 21
88 <210> SEQ ID NO: 9
89 <211> LENGTH: 21
90 <212> TYPE: DNA
91 <213> ORGANISM: Homo Sapien
93 <400> SEQUENCE: 9
94 gaggacatgg tgctggagga g 21
96 <210> SEQ ID NO: 10
97 <211> LENGTH: 21
98 <212> TYPE: DNA
99 <213> ORGANISM: Homo Sapien
101 <400> SEQUENCE: 10
102 cgttgactac attcctgaag g 21
104 <210> SEQ ID NO: 11
105 <211> LENGTH: 22
106 <212> TYPE: DNA
107 <213> ORGANISM: Homo Sapien
109 <400> SEQUENCE: 11
110 ttatggaccc aaccacgagc ac 22
112 <210> SEQ ID NO: 12
113 <211> LENGTH: 21
114 <212> TYPE: DNA
115 <213> ORGANISM: Homo Sapien
117 <400> SEQUENCE: 12
118 gaagcgacct tctgatgtcc c 21
120 <210> SEQ ID NO: 13
121 <211> LENGTH: 22
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo Sapien
125 <400> SEQUENCE: 13
126 gcagccagta tctggatgag ac 22
128 <210> SEQ ID NO: 14
129 <211> LENGTH: 20

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## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/10/090,011

TIME: 16:36:09

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\03192002\J090011.raw

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130 <212> TYPE: DNA
131 <213> ORGANISM: Homo Sapien
133 <400> SEQUENCE: 14
134 ctccagcagg aggccgtggt 20
136 <210> SEQ ID NO: 15
137 <211> LENGTH: 21
138 <212> TYPE: DNA
139 <213> ORGANISM: Homo Sapien
141 <400> SEQUENCE: 15
142 ctggttccct gagggtttca a 21
144 <210> SEQ ID NO: 16
145 <211> LENGTH: 21
146 <212> TYPE: DNA
147 <213> ORGANISM: Homo Sapien
149 <400> SEQUENCE: 16
150 ggaacttctt ggtctccagg t 21
152 <210> SEQ ID NO: 17
153 <211> LENGTH: 20
154 <212> TYPE: DNA
155 <213> ORGANISM: Homo Sapien
157 <400> SEQUENCE: 17
158 caacatgggc cgctgtcctc 20
160 <210> SEQ ID NO: 18
161 <211> LENGTH: 22
162 <212> TYPE: DNA
163 <213> ORGANISM: Homo Sapien
165 <400> SEQUENCE: 18
166 cacatctgct tggcagttga tc 22
168 <210> SEQ ID NO: 19
169 <211> LENGTH: 21
170 <212> TYPE: DNA
171 <213> ORGANISM: Homo Sapien
173 <400> SEQUENCE: 19
174 gcagctgtga acaacgtgga g 21
176 <210> SEQ ID NO: 20
177 <211> LENGTH: 21
178 <212> TYPE: DNA
179 <213> ORGANISM: Homo Sapien
181 <400> SEQUENCE: 20
182 aaccgcacaa tgtcctggtg c 21
184 <210> SEQ ID NO: 21
185 <211> LENGTH: 22
186 <212> TYPE: DNA
187 <213> ORGANISM: Homo Sapien
189 <400> SEQUENCE: 21
190 aagccacgtg taataacggt gg 22
192 <210> SEQ ID NO: 22
193 <211> LENGTH: 21
194 <212> TYPE: DNA

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DATE: 03/19/2002

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TIME: 16:36:09

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\03192002\J090011.raw

```

195 <213> ORGANISM: Homo Sapien
197 <400> SEQUENCE: 22
198 ctccatccac acaggttccg c 21
200 <210> SEQ ID NO: 23
201 <211> LENGTH: 20
202 <212> TYPE: DNA
203 <213> ORGANISM: Homo Sapien
205 <400> SEQUENCE: 23
206 ctgcctttcc catggatgaa 20
208 <210> SEQ ID NO: 24
209 <211> LENGTH: 21
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo Sapien
213 <400> SEQUENCE: 24
214 cgcttcttgt cctcctcctt t 21
216 <210> SEQ ID NO: 25
217 <211> LENGTH: 19
218 <212> TYPE: DNA
219 <213> ORGANISM: Homo Sapien
221 <400> SEQUENCE: 25
222 agacgacgcg aagctcacc 19
224 <210> SEQ ID NO: 26
225 <211> LENGTH: 19
226 <212> TYPE: DNA
227 <213> ORGANISM: Homo Sapien
229 <400> SEQUENCE: 26
230 aagccagact gcctgggct 19
232 <210> SEQ ID NO: 27
233 <211> LENGTH: 20
234 <212> TYPE: DNA
235 <213> ORGANISM: Homo Sapien
237 <400> SEQUENCE: 27
238 atcccaaccc accaccaacc 20
240 <210> SEQ ID NO: 28
241 <211> LENGTH: 20
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo Sapien
245 <400> SEQUENCE: 28
246 cagcgtgcc tgagaagatt 20
248 <210> SEQ ID NO: 29
249 <211> LENGTH: 21
250 <212> TYPE: DNA
251 <213> ORGANISM: Homo Sapien
253 <400> SEQUENCE: 29
254 aggaggacca gggactaccg t 21
256 <210> SEQ ID NO: 30
257 <211> LENGTH: 21
258 <212> TYPE: DNA
259 <213> ORGANISM: Homo Sapien

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## RAW SEQUENCE LISTING

DATE: 03/19/2002

PATENT APPLICATION: US/10/090,011

TIME: 16:36:09

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\03192002\J090011.raw

```

261 <400> SEQUENCE: 30
262 tttaggtggg gtgtcactca g 21
264 <210> SEQ ID NO: 31
265 <211> LENGTH: 22
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo Sapien
269 <400> SEQUENCE: 31
270 caaaagtcca agtgctggac aa 22
272 <210> SEQ ID NO: 32
273 <211> LENGTH: 20
274 <212> TYPE: DNA
275 <213> ORGANISM: Homo Sapien
277 <400> SEQUENCE: 32
278 cccatctgtt gcttttcgct 20
280 <210> SEQ ID NO: 33
281 <211> LENGTH: 21
282 <212> TYPE: DNA
283 <213> ORGANISM: Homo Sapien
285 <400> SEQUENCE: 33
286 tgcagcacat gcagtacaac g 21
288 <210> SEQ ID NO: 34
289 <211> LENGTH: 22
290 <212> TYPE: DNA
291 <213> ORGANISM: Homo Sapien
293 <400> SEQUENCE: 34
294 tcccaaggtt cagaaggaga gg 22
296 <210> SEQ ID NO: 35
297 <211> LENGTH: 20
298 <212> TYPE: DNA
299 <213> ORGANISM: Homo Sapien
301 <400> SEQUENCE: 35
302 ttttctggcc cggggtgatg 20
304 <210> SEQ ID NO: 36
305 <211> LENGTH: 20
306 <212> TYPE: DNA
307 <213> ORGANISM: Homo Sapien
309 <400> SEQUENCE: 36
310 agccgcgtgc ttcttcctcc 20
312 <210> SEQ ID NO: 37
313 <211> LENGTH: 20
314 <212> TYPE: DNA
315 <213> ORGANISM: Homo Sapien
317 <400> SEQUENCE: 37
318 gccacatgcg gcagctacag 20
320 <210> SEQ ID NO: 38
321 <211> LENGTH: 20
322 <212> TYPE: DNA
323 <213> ORGANISM: Homo Sapien
325 <400> SEQUENCE: 38

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/090,011

DATE: 03/19/2002

TIME: 16:36:10

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\03192002\J090011.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number